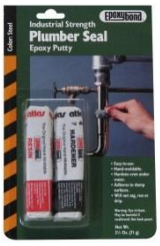
Atlas Minerals & Chemicals, Inc.

DATA SHEET

EP-4 (10-00[2])

EPOXYBOND®
PLUMBER SEAL EPOXY PUTTY



DESCRIPTION AND USES

EPOXYBOND PLUMBER SEAL EPOXY PUTTY is a two part, hand-moldable epoxy putty with easy 1-to-1 mix ratio. It is supplied in convenient sticks and economical cartridges that provide simple equal portion mixing without scales or volumetric measuring containers.

EPOXYBOND PLUMBER SEAL EPOXY PUTTY will adhere to steel, aluminum, copper, brass, plaster, brick, concrete, wood and ceramics. It will also adhere to damp surfaces.

EPOXYBOND PLUMBER SEAL EPOXY PUTTY when fully cured, becomes hard enough to drill, saw, tap, file, sand and paint.

TYPICAL APPLICATIONS

EPOXYBOND PLUMBER SEAL EPOXY PUTTY is a versatile epoxy putty with an unlimited number of uses, such as:

- Repair pipes, tubs, tanks, fittings and fixtures
- Stop leaks
- Set bolts, screws and pins
- Patch ductwork
- Secure hooks and fittings
- Seal cracks in metal, concrete, terra-cotta, plaster or hard-board.

PACKAGING

EPOXYBOND PLUMBER SEAL EPOXY PUTTY*
12 x 2-1/2 oz. (71 g.) cards / carton each containing:
1-1/4 oz. (35 g.) stick Resin
1-1/4 oz. (35 g.) stick Hardener

*EPOXYBOND PLUMBER SEAL EPOXY PUTTY is also available in a master carton containing 12 x 12 set cartons.

20 SET CARTON
4 x 4 lb. 6 oz. (2.0 kg.) boxes / carton each containing:
5 x 7 oz. (198 g.) cartridges Resin
5 x 7 oz. (198 g.) cartridges Hardener

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Dielectric Strength	250 Volts / mil
Compressive Strength	10,000 psi. (68.9 MPa)
Bond Strength	450 psi. (3.13 MPa)
Maximum Use Temperature Intermittent Continuous	 275°F (135°C) 212°F (100°C)
Tensile Strength	2,000 psi. (13.8 MPa)
Coefficient of Expansion, in./in./°F (cm./cm./°C)	3.35×10^{-5} (1.86×10^{-5})

TYPICAL SETTING TIMES OF THE EPOXYBOND PLUMBER SEAL EPOXY PUTTY

TEMPERATURE	APPROXIMATE SETTING TIME*
60°F (16°C)	150 min.
70°F (21°C)	90 min.
80°F (27°C)	60 min.
90°F (32°C)	40-45 min.
100°F (38°C)	30-35 min.
120°F (49°C)	15-20 min.

*Curing can be accelerated by placing in an oven or by use of any external heat source. The greater the heat, the quicker the curing, but do not heat above 200°F (93°C).

40 SET CARTON

8 x 4 lb. 6 oz. (2.0 kg.) boxes / carton each containing:
5 x 7 oz. (198 g.) cartridges Resin
5 x 7 oz. (198 g.) cartridges Hardener

AVAILABLE COLORS

The 1-1/4 oz. stick (35 g.) of EPOXYBOND PLUMBER SEAL EPOXY PUTTY Resin is available in steel only

The 7 oz. (198 g.) cartridge of EPOXYBOND PLUMBER SEAL EPOXY PUTTY Resin is available in white only.

APPLICATION

1. Surfaces to be bonded should be thoroughly cleaned and all loose particles removed. Slightly roughen surface with sandpaper. No surface priming is necessary.

NOTE: ATLAS makes it a practice to continuously update and enhance our CCM (Corrosion Resistant Construction Materials) products. For the most recent version of any Data Sheet, please visit our Web site at www.atlasmin.com.

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2. After cutting off equal portions of Resin and Hardener, mix together until uniform.
3. Apply EPOXYBOND PLUMBER SEAL EPOXY PUTTY to both surfaces to be bonded or joined and press firmly together.
4. To aid forming and shaping, gently smooth the surface with a clean sponge or putty knife dampened with water.
5. After application, EPOXYBOND PLUMBER SEAL EPOXY PUTTY should not be disturbed until completely set.

CLEAN-UP AND DISPOSAL

Remove excess material from repaired surface before it begins to harden. Wash hands and skin with soap and water immediately after use. Use a nylon scrub pad to clean mixing tools before material begins to harden. Solvents, such as lacquer thinner, paint thinner or alcohol, will have to be used to remove material after it has begun to harden.

Dispose of residues and wastes in accordance with the directions in the Safety Data Sheets and government regulations.

STORAGE AND SHELF LIFE

Store all materials in a cool, dry environment. Keep all materials out of direct sunlight. Ideal storage temperature is 75^{o}F (24^{o}C). In unopened original containers, the materials referred to in this Data Sheet have a shelf life of approximately one year.

PRECAUTIONS

The materials referred to in this Data Sheet contain materials that present handling and potential health hazards. Consult all product packaging and Safety Data Sheets for complete precautionary information.

TECHNICAL SERVICES

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of difficulties with the application of ATLAS materials, the installation should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**